GOVERNMENT OF INDIA
POWER
LOK SABHA

STARRED QUESTION NO:355
ANSWERED ON:16.08.2001
INCREASE IN POWER GENERATION CAPACITY
TARACHAND BHAGORA

Will the Minister of POWER be pleased to state:

(a) the long term plan chalked out by the Government to augment the power generation capacity in the country;

(b) the quantum of electricity in megawatt likely to be generated under this long term plan;

(c) the number of proposals received from foreign companies for power generation;

(d) the number of schemes being formulated in this regard, State-wise; and

(e) the names of companies and the extent of investment to be made by them?

Answer

THE MINISTER OF POWER (SHRI SURESH P. PRABHU)

(a) to (e) : A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 355 TO BE ANSWERED IN THE LOK SABHA ON 16.08.2001 REGARDING INCREASE IN POWER GENERATION CAPACITY.

(a) & (b) : Based on the findings of 16th Electric Power Survey it has beenestimated that a total capacity of 2,13,000 MW is required by 2012 to meet the energy requirement of 9,75,222 MU and peak demand of 1,57,107 MW.The formulation of the 10th Five Year Plan is in progress and is being discussed in the Working Group on Power.

(c) to (e) : From a total of 58 private power projects so far given techno economic clearance (TEC) by Central Electricity Authority, 51 have foreign participation. Two projects in West Bengal (viz. Gauripore and Bakreshwar) are no longer being pursued through the private sector by the State Government. A state-wise statement indicating the estimated cost, amount of foreign equity, details of foreign investors in respect of techno- economically cleared private power projects involving foreign equity is Annexed.

ANNEXE REFERREED TO IN PARTS (c) TO (e) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO.355 TO BE ANSWERED IN THE LOK SABHA ON 16.08.2001 REGARDING INCREASE IN POWER GENERATION CAPACITY.

Details of CEA cleared Private Power Projects having foreign investments

Sl.No	Name of Project & Capacity (MW)	Estmated cost of Project	Cap. Quantum of Equity	Name of Foreign Investor	Name of Indian Partner
1.	Rosa TPS (2x83.5 MW)	US$ 280.7267m + Rs.1435.5 crs. (1US$=Rs.35.5)	US$ 53.437 M (Rs.189.70 cr)	Power Gen Plc	M/s Indo Gulf Fertiliser
2.	Dholpur TPS (702.7 MW)	US$ 364.29 m + Rs.855.133 crs. (Rs.416.41 cr) (1US$=Rs.39.5)	US$ 105.42 M others	Promoters & Power Co.	M/s. RPG Dholpur
3.	Barsingsar Lignite (2x250 MW)	US$ 322.716m + US$ 114.36 M Rs.1090.08 crs. (Rs.360.23 cr) (1US$=Rs.31.50)	Not mentioned in financial package	M/s.H.V.Corp Ltd	
4.	Shrinagar HEP(4x82.5 MW)	US$ 95.054 m + Rs.1299.89 crs. (Rs.491.82 cr) (1US$=Rs.42.00)	US$ 117.10 M	SED	Duncans NHPC
5.	Dhamwari Sunda HEP (2x35 MW)	US$ 10.91 m + Rs.393.04 crs. (Rs. 46.91 cr) (1US$=Rs.43.00)	US$ 10.91 M	PESCL and HARZA of USA	M/s.Dhamwari Power Co.Ltd.
6.	Bhadrawati TPS (1072 MW)	Rs.5187 crs.	GEC-US$ 131.238 M (Rs.413.40 crore)	EDF- US$ 62.73 M (Rs. 197.6 crore)	GEC EDF CIPCO
7.	Korba (East)(1070 MW)	US $863.95 M + Rs.1623.04cr	US$396.36 M (Rs. 1407 .078 crore)	M/s.Daewoo	M/s.Daewoo Power India Ltd.
8.	Maheshwar HEP (400 MW)	US $ 213.29M + Rs.812.09 cr (1 US$ = Rs.35.50)	Pacific Gen- US$ 69.8 M (Rs. 247.790 crore)	Siemens- US$ 38.10 M (Rs. 135.255 crore)	Pacific Gen Siemens M/s.S.Kumar
9.	Narsingpur CCGT(166 MW)	US $77.74 M + Rs.253.697 cr (1 US$ = Rs.35.50)	GBLASSO- US$ 9.98 M (Rs. 31.879 crore)	OIII Ltd. - US$ 11.680 M (Rs. 41.429 crore)	Others- US$ 21.10 M (Rs. 74.905 crore) GBL Asso OIII Ltd Others M/s.GBL Power Ltd.
10.	Bina TPS Phase-I(578 MW)	US$175.412M+Rs.1820.627 cr (1 US$ = Rs.35.50)	Birlas (off share)-US$ 30.0 M (Rs. 106.5 crore)	Power Gen- US$ 53.685 M (Rs. 190.582 crore)	Birlas (Off share) Power Gen Total M/s.Bina Power Supply
11.	Jamnagar TPS(2x 250 MW)	US $434.36 M + Rs.726.43 Cr (1US$=Rs.42.00)	US$ 87.45 M (Rs. 367.29 crore)	Not mentioned in financial package	M/s.Reliance Power Ltd.
12.	Korba (West)TPP(420 MW)	US $164.643 M+DEM 169.75 M+Rs.834.351 cr (1 US$ = Rs.35.50) (1 DEM =Rs.20.50)	ITPL- US$ 76.155 M (Rs. 270.35 crore)	Siemens- US$ 49.277M (Rs. 174.933 crore)	Tomen- US$ 23.892 M (Rs. 84.817 crore) ITPL Siemens Tomen ITPL
13.	Pench TPP (500 MW)	US $ 284.908M + Rs.1172.155 cr (1 US$ = Rs.35.50)	SOROS- US$ 145.777 M (Rs. 517.508 crore)	ABB- US$ 38.751 M (Rs. 137.566 crore)	SOROS & Affiliates ABB& Affiliates M/s. Pench Power Ltd.
14.	Raigarh TPP Ph-I(550 MW)	US $ 85.176 M + DEM 240.676 M + Rs.1628.075 cr (1 US$ = Rs.35.50) 1 DEM = Rs.20.00	GPH Ltd -US$ 53.0 M (Rs. 188.15 crore)	IVSVRS- US$ 97.831 M (Rs. 317.3 crore)	GPH Ltd. (Malaysia) INSVRS M/s.Jindal Power Ltd.
15.	Bhilai TPP (574 MW)	US $ 419.699M + Rs.939.781 cr (1 US$ = Rs.35.50)	US$ 76.10M	CEA(USA)	Bhilai Power Supply Co.
16.	Pithampur-Kheda DGPP (119.7MW)	US $ 68.729 M + Rs.174.053cr (1 US$ = Rs.39.00)	Shapoorji US$ 8.50 M (Rs. 33.158 crore) Pallanji- US$ 16.66 M (Rs. 64.990 crore)	Shapoorji Pallanji Other Foreign Equity (Mauritius & Finland)	M/s.Shapoorji Pallonji Power Co.
17.	Bhander PS (342 MW)	US $ 197.622M + Rs.346.514 cr (1 US$ = Rs.35.50)			

US$ 43.399M (Rs. 154.066
crore) + US$ 36.375 M (Rs.
127.31 crore)
Prime Gwalior Ltd.
Others foreign equity
M/s.Bhander Pvt.Ltd.

18.
Khandwa CCPP

(171.17 MW)
US $ 76.0345M +
Rs.250.331 cr

(1 US$ = Rs.39.50)
AGIO (Singapore) US$ 27.185
M (Rs. 107.38 crore)
Maruben Corpn. (Japan) US$
13.802M (Rs. 54.516 crore)

AGIO (Singapore)
Maruben Corpn. (Japan)
M/s. Madhya Bharat

19.
Guna CCGT

(330 MW)
US $ 152.37M +
Rs.484.86cr

(1 US$ = Rs.35.50)
US$ 78.02 M (Rs. 276.971 crore)
STI
M/s.STI Power Ltd.

20. Ratlam DGPP (118.63 MW)
US $ 73.88 M + Rs.163.162cr (1 US$ = Rs.39.00)
GVK US$ 34.72M (Rs. 135.408 crore)
GVK
M/s.GVK Power Ratlam

21. Surat Lignite TPS (250 MW) US $44.538 million + DM 4.92M + Rs.999.99 crs. (1 US$ = Rs.35.00) 1 DM = Rs.23.00 US$ 19.05 M (Rs. 66.675 crore) Foreign equity GIPCL

22. Patalganga CCGT(447 MW) US $319.02 M + Rs.246.66 Cr (1 US$ = Rs.35.50) US$ 50.75M (Rs. 172.669 crore) Foreign equity Reliance Patalganga Power Co.

23. Dabhol (2015MW) US$ 2828.524 US$ 738 M M/s.Enron USA} Public Issue M/s.Dabholl Power Co.Ltd.

24. Jegurupadu
CCGT (216
MW)
Rs.827 crs.
AES(USA) Rs.39 crs.
ABB(Sweden) Rs.13 crs.
IPC/ADB Rs.39 crs
NRI} Rs.19 crs.
Public}
AES(USA) Rs.39 crs.
ABB(Sweden) Rs.13 crs.
IPC/ADB Rs.39 crs
NRI} Rs.19 crs.
Public}
GVK Industries APSEB

25.
Godavari CCGT

(208 MW)
Rs.748.43 crs.
ST USA(USA) Rs.28.5 crs.
RR/Westing House & COD

(UK)
Rs.76.01 crs.
ST USA(USA) Rs.28.5 crs.
RR/Westing House & CDC (UK)
Rs.76.01 crs.
M/s.Spectrum
Power Gen Ltd.

26.
Visakhapatnam
TPP (2x520
MW)
US $943.75 M +
Rs. 1324.99 Cr

(1 US$ = Rs.35.00)
Hindujas (US) US $ 354.35M

(Rs. 1240.225 Crore)
Hindujas (US) US $ 354.35M
M/s.Hinduja
National Power Corpn.Ltd.

27.
Ramagundam
TPP Extn.

(2x260 MW)
US $369.3 M +
Rs.1073.56 Cr

(1 US$ = Rs.35.50)
US$ 134.34 M (Rs. 476.91
crore)
Promoter & Others BPL(India)
US$ 50.36M
Others US$ 83.98 M
M/s.BPL Power Projects Ltd.

28.
Kondapalli
CCPP (350
MW)
US$ 180.616 M +
Rs.385.254 cr

(1 US$ = Rs.36.00)
US$ 93.863 M (Rs. 337.91 crore)
M/s.EGL(UK),
CDC(UK), Hanjung (Korea)
M/s.Lanco Group, Hyderabad

29.
Krishnapatnam
`B` (2x260 MW)
US $355.131 M +
Rs.960.614 Cr

(1 US$ = Rs.35.50)
US$ 205.442 M (Rs. 729.319
crore)
M/s.BBI(USA) US$ 25.68M
M/s.PMDC US$ 50M
M/s. CES US$ 30M
M/s.IGC US$ 25 M
M/s.NIC US$ 10M
Others US$ 64.76 M
-

30.

Vemagiri CCGT

(492 MW)
US $248.02 M +
Rs.638.223 Cr

(1 US$ = Rs.42.00)
US$ 120 M
M/s.Ispat Power Ltd. (India),
US$ 61M
Others, US$ 59M
-

31.
Torangallu TPS

(2x130 MW)
US$ 106.87 M +
Rs.725.16 crs. (1
US$ = Rs.34.5)
US$ 47.9 M (Rs.165.255crs.)
M/s.Tractebel, Belgium
Jindal Group

32.
Mangalore TPP

(4 x 250 MW)
US $ 751.574 M +
Rs.1580.89 Cr

(1 US$ = Rs.31.50)
US$ 329.362 M (Rs. 1037.49
crore)
Cogentrix (USA)
-

33.
Vypeen CCGT

(LNG) (3 x
146.9 MW) GT
+ (1x238.5MW)
ST = 679.2 MW
US $ 6.90M +
S.Fr.439.84 M +
Rs.771.75 Cr

(1 US$ = Rs.39.5)
1 U Fr= Rs.26.50/-)
Siasin Trading (Singapur) S.Fr
209.1 M (Rs. 554.115 crore)

Siasin Trading (Singapur) S.Fr
89 M
Pembinaam Redzaisdn.

(Malaysia)
Mukhunthraj
Consultancy Pvt.Ltd.

34.
Neyveli TPS - 0
unit (1x250
MW)
US $261.59 M +
Rs. 501.10 Cr

(1 US$ = Rs.31.50)
US$ 114.28 M (Rs. 246.982
crore)
M/s.ST-CMS Electric Co.

(Mauritius)
-

35.
Pillaiperumalnal
lur CCGT

(330.5 MW)
US $585.96 M +
Rs. 429.8 Cr

(1 US$ = Rs.33.50)
US$ 73.45 M(Rs. 246.058
crore)
CEA PPN Energy Co.Ltd. PPN
Mauritius Co.
Marubeni Corpn.(Japan)
Reddy Group

36.
North Madras
TPS-II (2x525
MW)
US $ 585.96 M +
Rs.2402.24 Cr

(1 US$ = Rs.34.50)
M/s.Mission Energy (USA)
US$ 84.69 M (Rs. 292.181
Crore)
M/s.Mission Energy (USA)

M/s.Videocon Power Ltd.

37.
Basin Bridge
BGPP (4x50
MW)
US$ 125.82 M +
Rs.328.99 cr

(1US$= Rs. 34)
US$ 33.41 M (Rs. 113.594 crore)
+ US$ 26.71 M (Rs. 90.814
crore)
FIIs/FFIs/OCBs/NRIs
Promoter`s equity
M/s.GMR Vasavi Group

38.
Tuticorin TPP
Stage-IV (1x525
MW)
US $321.779 M +
DEM 145.893 M +
Rs.875.389 Cr

(1 US$ = Rs.35.5
1 DM = Rs.21/-)
US$ 145.4 M (Rs. 292.181 crore)
MCN Corporation & others
M/s.SPIC Electric Power Corpn.

39.
Samayanallur
DGPP

(7x15.143 MW)
US $ 59.840M +
Rs. 150.845 Cr

(1 US$ = Rs.39/-)
US$ 17.73 M (Rs. 69.147 Crore)
M/s. Wart Sila & Others
M/s.Balaji Power Corpn. Ltd.

40.
Samalpatti
DGPP

(7x15.094 MW)
US $61.222 M +
Rs. 153.098 Cr

(1 US$ = Rs.39/-)
US$ 25.769 M (Rs. 101.79 crore)
M/s. SPC & Others
M/s.Samalpatti
Power Corpn. Ltd.

41.
North Madras
TPP-III (1x525
MW)
US $147.915 M +
GBP 122.927M +
F.Fr.458.023 M
+Rs.736.560 Cr

(1 US$ = Rs.35.5
1 GBP = Rs.57.0
1 F Fr=Rs.6.21)
US$ 189.875 M (Rs. 674.056
crore)
Promoter
Tri-Shakti Energy Pvt.Ltd.

42.
Cuddalore TPP

(2x660 MW) =
1320 MW
US $488.193 M +
GBP 203.922 M +
F.Fr.1258.811 M +
Rs.2036.501 Cr

(1 US$ = Rs.42.5
1 GBP = Rs.68.0
1 F Fr=Rs.7.0)
US$ 427.876 M (Rs. 1818.473
crore)
International Contracting and
Marketing Corporation (ICMC),
New York, USA,
International Electric Inc.
Boston, USA
Pembinan Redsai Group,
Malaysia.
-

43.
Vembar CCGT

(1873 MW) (5
modules of
374.6 MW each)
US $694.94 M +
Rs.2106.67 Cr

(1 US$ = Rs.42.50)
US$ 355.09 M (Rs. 1509.133
crore)
Intech Global Resources Inc.
USA
Mokshasha Investment Holdings
Pvt.Ltd., Singapore
Indian Power
Projects Ltd., Chennai

44.
Kannur CCGT

(513 MW)

(3x11.90 MW
GT + 1x177.3
MW ST)
US $ 210.010 M +
Rs. 587.971 Cr

(1 US$ = Rs.42.00)
US$ 77.70 M (Rs. 326.34 crore)
Koretech Corporation Ltd.,
Mauritius
KPP Nambiar and Associates

45.
Nagarjuna TPP

(1015 MW)

(2x507.5 MW)
US $273.795 M +
GBP 277.4 M +
F.Fr 907.19 M +Rs.
1792.685 Cr

(1 US$ = Rs.42.0
1 GBP = Rs.68.50
1 F Fr=Rs.7.20)
US$ 290.51 M (Rs. 1220.142
Crore)
Fire Seed Ltd. Hong Kong
Nagarjuna
Fertilizers and Chemicals Ltd.

46.
Kaniminke
CCGT (107.6
MW) (2x35.3
MW GT +
1x37.0 MW ST)
US $56.577 M +
Rs.152.969 Cr

(1 US$ = Rs.42.0)
US$ 23.648 M (Rs. 99.32 crore)
Coastal Power Company, Texas,
USA
Subhash Projects & Marketing Ltd.

47.
Bakreshwar TPP

(420 MW)
US $ 23.400M + J
Yen 20544.27 M +
Rs.925.157 Cr

(1 US$ = Rs.39.50)

(1 Yen = Rs.0.29)
US$ US$ 34.0 M (Rs. 134.3
crore) + US$ 62.75 M (Rs.
247.863 crore)
DLC Kuljian
M/s.Bakreshwar
Power Gen Co.Ltd.

48.
Ib Valley TPS

(500 MW)
US $ 326.02M +
Rs.983.90 Cr

(1 US$ = Rs.42.50)
US$ 166.0 M (Rs. 705.5 crore)
AES
AES Ib Valley Corp.

49.
Gouripore TPS

(1x150 MW)
US $28.07 M +
Rs.548.57 Cr

(1 US$ = Rs.39.50)
US$ 41.74 M (Rs. 164.87 Crore)
M/s. Thermo Ecotek Corpn.,
USA
Gouripore Power Co.Ltd.

50.
Duburi TPS

(2x250 MW)
US $313.59 M +
Rs. 952.82Cr

(1 US$ = Rs.39.50)
US$ 166.45 M (Rs. 657.478
crore)
Promoter
M/s.Kalinga Power Co.Ltd.

51. Balagarh TPS (2x250 MW) US $227.96 M + Rs. 1517.02Cr (1 US$ = Rs.31.50) US$ 54.0 M (Rs. 170.09 Crore)+US$ 37.0 M (Rs. 116.56 crore) ROLLS ROYCE

Equity Issue
M/s.Balagarh Power Co.